

Notice of Allowability

Application No.

08/766,607

Examiner

Jeff Piziali

Applicant(s)

JACOBSEN ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the Amendment and Remarks filed 21 June 2007.
2. ☒ The allowed claim(s) is/are 1-25 and 27-29 (renumbered as claims 1-28).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material

5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


Jeff Piziali
17 August 2007

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed (on 24 July 2007) in this application after final rejection (mailed 31 May 2007). Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 21 June 2007 has been entered.

Allowable Subject Matter

2. Claims 1-25 and 27-29 (renumbered as claims 1-28) are allowed.

3. The following is an examiner's statement of reasons for allowance:

The present invention comprises a docking system for a portable wireless telephone. The prior art, *Wilska et al (United Kingdom - 2,289,555 A)* discloses a docking system for a portable wireless telephone [Fig. 3; 17], the portable wireless telephone including a microphone [Fig. 1; 20], a speaker [Fig. 1; 19], and transceiver [Fig. 1; 18] circuitry with an external communication interface [Fig. 3; 16] within a telephone housing [Fig. 3; 17], the docking system comprising: a display housing [Fig. 2; 1] (see Page 5, Paragraph 3) having a plurality of control elements [Fig. 3; 10, 11] (see Page 4, Paragraph 3) and a display circuit [Fig. 3; 6], the display housing including a connection interface [Fig. 3; 8] that couples with an external communication

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interface [Fig. 3; 16] of a handheld wireless telephone [Fig. 3; 17], such that image data received by the handheld wireless telephone is transmitted to the display circuit (see Page 5, Paragraph 3) and a liquid crystal display [Fig. 1; 9] mounted to the display housing and connected to the display circuit, the display circuit generating display data presented on the liquid crystal display as an image (see Page 4, Paragraph 2). Wilska does not expressly disclose an active matrix LCD, a light source, an image lens, or a power management circuit.

However, the prior art of *Takahara et al (US 5,436,635)* discloses an active matrix liquid crystal display (see Column 33, Lines 22-28), a light source [Fig. 21, 211] positioned in a display housing [Fig. 21, 201] to illuminate the image [Fig. 21, 214], a lens [Fig. 21, 216] in the display housing positioned to receive the image presented on the LCD for viewing by a user (see Column 28, Lines 30-49), and a power management circuit [Fig. 22, 223] that controls the power consumption of a display circuit [Fig. 22, the combined circuitry of 211, 214 & 221-225 and the 'variable resistor'], wherein after the image is illuminated, the power management circuit lowers the power consumption of the display circuit until new display data [Fig. 22, 'Video Signal'] is ready to be presented on the liquid crystal display, the power management circuit arranged for receiving control signals [i.e. pulse width variable signals from the 'variable resistor' (which is not illustrated), and the circuit within the light emitting tube power supply for modulating the anode voltage with a pulse signal (which is also not explicitly illustrated)] for lowering the power consumption, the control signals resulting from signals from the display circuit that are initiated by the display control circuit (see Column 31, Lines 16-63).

Wilska and Takahara are analogous art because they are from the shared field of handheld liquid crystal display devices. Thus, it would have been obvious to a person of

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ordinary skill in the art, at the time of the invention, to utilize Takahara's active matrix LCD, light source, lens assembly, and power management circuit with Wilska's communication device, so as to provide a high quality, energy efficient liquid crystal image that's easy to see (and read) in both dark and bright light.

However, as argued by the applicants (on Pages 9-11 of the Amendment filed 21 June 2007), the prior art does not expressly teach the subject matter of, *the power management circuit and the display circuit being connected together and arranged in a configuration that lowers the power consumption in a self regulating manner*, in combination with the remaining features and subject matter of the instantly claimed invention.

This distinct structural and operational arrangement has been incorporated into all five pending independent claims (i.e. claims 1, 7, 17, 22, and 29 -- renumbered as claims 1, 7, 16, 21, and 27), thereby rendering them allowable.

Any comments considered necessary by applicants must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeff Piziali whose telephone number is (571) 272-7678. The examiner can normally be reached on Monday - Friday (6:30AM - 3PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin Shalwala can be reached on (571) 272-7681. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Jeff Piziali
17 August 2007

